CLEAN COPY-ENTER

4. (Amended) A method of treating or preventing inflammatory processes and diseases as in Claims 1, 2, or 3 further comprising wherein said inhibitory compound is used in combination with one or more other therapeutically active agents under the following conditions:

A. where a joint has become seriously inflammed as well as infected at the same time by bacteria, fungi, protozoa, and/or virus, said inhibitory compound is administered in combination with one or more antibiotic, antifungal, antiprotozoal, and/or antiviral therapeutic agents;

B. where a multi-fold treatment of pain and inflammation is desired, said inhibitory compound is administered in combination with inhibitors of other mediators of inflammation, comprising one or more members independently selected from the group consisting of:

1. NSAIDs;

2. H_1 -receptor antagonists;

3. kinin-B_1 - and B_2 -receptor antagonists;

4. prostaglandin inhibitors selected from the group consisting of PGD-, PGF- PGI_2 -, and PGE-receptor antagonists;

5. thromboxane A_2 (TXA2-) inhibitors;

6. 5- and 12-lipoxygenase inhibitors;

7. leukotriene LTC_4 -, LTD_4/LTE_4 -, and LTB_4 -inhibitors;

8. PAF-receptor antagonists;

9. gold in the form of an aurothio group together with one or more hydrophilic groups;

10. immunosuppressive agents selected from the group consisting of cyclosporine, azathioprine, and methotrexate;

11. anti-inflammatory glucocorticoids;

12. penicillamine;

13. hydroxychloroquine;

14. anti-gout agents including colchicine; xanthine oxidase inhibitors including allopurinol; and uricosuric agents selected from probenecid, sulfinpyrazone, and benzbromarone;

C. where older dogs are being treated for disease conditions, syndromes and symptoms found in geriatric dogs, said inhibitory compound is administered in combination with one or more members independently selected from the group consisting of:

1. cognitive therapeutics to counteract memory loss and impairment;

2. anti-hypertensives and other cardiovascular drugs intended to offset the consequences of atherosclerosis, hypertension, myocardial

ischemia, angina, congestive heart failure, and myocardial infarction, selected from the group consisting of:

a. diuretics;

b. vasodilators;

c. β-adrenergic receptor antagonists;

d. angiotensin-II converting enzyme inhibitors (ACE-inhibitors), alone or optionally together with neutral endopeptidase inhibitors;

e. angiotensin II receptor antagonists;

f. renin inhibitors;

g. calcium channel blockers;

h. sympatholytic agents;

i. α_2-adrenergic agonists;

j. α-adrenergic receptor antagonists; and

k. HMG-CoA-reductase inhibitors (anti-hypercholesterolemics);

3. antineoplastic agents selected from:

a. antimitotic drugs selected from:

i. vinca alkaloids selected from:

[1] vinblastine, and

[2] vincristine;

4. growth hormone secretagogues;

5. strong analgesics;

6. local and systemic anesthetics; and

7. H_2 -receptor antagonists, proton pump inhibitors, and other gastroprotective agents.

9. (Amended) A pharmaceutical composition according to Claim 8 wherein said dosage forms comprise one or more members selected independently from the group consisting of suppositories; solid peroral dosage forms selected from the group consisting of delayed-release tablets, capsules, caplets, lozenges, troches, and multiparticulates; enteric-coated tablets and capsules which prevent release and absorption of said anti-inflammatory selective COX-2 inhibitory compound in the stomach of said member being treated to facilitate delivery of said anti-inflammatory selective COX-2 inhibitory compound distal to the stomach of said member; sustained-release oral tablets, capsules and microparticulates which provide systemic delivery of said inhibitor in a controlled manner over at least a 10-hour period; a chewable or ingestible oral tablet; a unit dose packet sachet, a suspension made from said unit dose packet sachet, a powder for oral suspension, or an oral suspension; a fast-dissolving tablet; encapsulated solutions; an oral paste; a granular form incorporated in or to be incorporated in said member's food; and a palatable chewable form in which said inhibitor is consumed along with said palatable chewable

form, or is delivered by leaching from said chew, which is not consumed, during mastication by said member being treated; liquid peroral dosage forms selected from the group consisting of solutions, suspensions, emulsions, inverse emulsions, elixirs, extracts, tinctures, and concentrates; and the above-recited solid dosage forms containing microencapsulated formulations of the active ingredient, which is incorporated into said solid dosage form.

11. (amended) A pharmaceutical composition as in Claims 5, 6, or 7 further comprising said anti-inflammatory selective COX-2 inhibitory compound in combination with one or more other therapeutically active agents independently selected from the group consisting of:

A. anti-infectious agents comprising one or more antibiotic, antifungal, antiprotozoal, or antiviral therapeutic agents;

B. inhibitors of other mediators of inflammation, comprising one or more members independently selected from the group consisting of:

1. NSAIDs;

2. H_1 -receptor antagonists;

3. kinin-B_1 - and B_2 -receptor antagonists;

4. prostaglandin inhibitors selected from the group consisting of PGD-, PGF- PGI_2 -, and PGE-receptor antagonists;

5. thromboxane A_2 (TXA2-) inhibitors;

6. 5- and 12-lipoxygenase inhibitors;

7. leukotriene LTC_4 -, LTD_4/LTE_4 -, and LTB_4 -inhibitors;

8. PAF-receptor antagonists;

9. gold in the form of an aurothio group together with one or more hydrophilic groups;

10. immunosuppressive agents selected from the group consisting of cyclosporine, azathioprine, and methotrexate;

11. anti-inflammatory glucocorticoids;

12. penicillamine;

13. hydroxychloroquine;

14. anti-gout agents including colchicine; xanthine oxidase inhibitors including allopurinol; and uricosuric agents selected from probenecid, sulfinpyrazone, and benzbromarone;

C. therapeutic agents for the treatment of geriatric dogs comprising one or more members independently selected from the group consisting of:

1. cognitive therapeutics to counteract memory loss and impairment;

2. anti-hypertensives and other cardiovascular drugs intended to offset the consequences of atherosclerosis, hypertension, myocardial ischemia, angina, congestive heart failure, and myocardial infarction, selected from the group consisting of:

a. diuretics;

b. vasodilators;

c. β-adrenergic receptor antagonists;

d. angiotensin-II converting enzyme inhibitors (ACE-inhibitors), alone or optionally together with neutral endopeptidase inhibitors;

e. angiotensin II receptor antagonists;

f. renin inhibitors;

g. calcium channel blockers;

h. sympatholytic agents;

i. α_2-adrenergic agonists;

j. α-adrenergic receptor antagonists; and

k. HMG-CoA-reductase inhibitors (anti-hypercholesterolemics);

3. antineoplastic agents selected from:

a. antimitotic drugs selected from:

i. vinca alkaloids selected from:

[1] vinblastine, and

[2] vincristine;

4. growth hormone secretagogues;

5. strong analgesics;

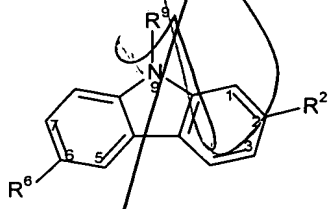
6. local and systemic anesthetics; and

7. H_2 -receptor antagonists, proton pump inhibitors, and other gastroprotective agents.

12. (Amended) A package suitable for use in commerce for the therapeutic treatment or prevention of pain and inflammation processes and diseases in a member of the species *Canis familiaris* in need of such treatment, comprising:

A. a suitable container optionally in the form of an outer package and an inner container removably housed therein;

B. a suitable dosage form, enclosed in said container, of an anti-inflammatory selective COX-2 inhibitory compound of the formula:



Formula (I):

wherein: